

**IN THE ABSTRACT**

Replace the abstract originally provided on the cover sheet of the PCT application with the following new abstract. A new abstract numbered page 25 is enclosed for the last page of the application following the claims.

**ABSTRACT OF THE DISCLOSURE**

An expandable bladder has at least one first layer of butyl material and one second layer of silicone material, radially external to the first layer. The first and second layers have an undulated interface profile defining mechanical-engagement elements between the first and second elastomer materials. A process for manufacturing bladder as well as a tyre moulding and vulcanising apparatus incorporating the bladder.